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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,711		09/22/2003	Karl-Heinz Aleksander Ostoja Starzewski	PO7795/LeA 36,276	1415
157	7590	04/16/2004		EXAM	INER
BAYER PO				LU, C C	AIXIA
100 BAYER PITTSBURG				ART UNIT	PAPER NUMBER
	,			1713	

DATE MAILED: 04/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
	10/667,711	STARZEWSKI ET AL.						
Office Action Summary	Examiner	Art Unit						
	Caixia Lu	1713						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) Responsive to communication(s) filed on 25 M	arch 2004.							
2a) This action is <b>FINAL</b> . 2b) ⊠ This	action is non-final.							
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.						
Disposition of Claims								
4) Claim(s) 1-26 is/are pending in the application.								
4a) Of the above claim(s) <u>1-7,9,19 and 20</u> is/are	e withdrawn from consideration.							
5) Claim(s) is/are allowed.	Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>8,10-18 and 21-26</u> is/are rejected.	i)⊠ Claim(s) <u>8,10-18 and 21-26</u> is/are rejected.							
7) Claim(s) is/are objected to.								
8) Claim(s) are subject to restriction and/or	election requirement.							
Application Papers								
9) The specification is objected to by the Examine	r <b>.</b>							
	0) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.						
Priority under 35 U.S.C. § 119								
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a)	n-(d) or (f).						
1. ☐ Certified copies of the priority documents	s have been received.							
2. Certified copies of the priority documents		on No						
3. Copies of the certified copies of the prior								
application from the International Bureau	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of	of the certified copies not receive	d.						
4								
Attachment/s)								
Attachment(s)  1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ite						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>2/9/04&amp;9/22/03</u> .	5) Notice of Informal P	atent Application (PTO-152)						

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## **DETAILED ACTION**

## Election/Restrictions

1. Applicant's election with traverse of Group III, claims 8, 10-18 and 21-26 in the Remarks filed on March 25, 2004 is acknowledged. The traversal is on the ground(s) that there is no serious burden of search. This is not found persuasive because applicants did not distinctly and specifically point out the supposed errors in the restriction requirement, searches for the those Groups are not coextensive, therefore, undue burden does exist. The election has been treated as an election without traverse (MPEP § 818.03(a)).

The requirement is still deemed proper and is therefore made FINAL.

## Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 8, 10-18 and 21-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ostoja-Starzewski et al. (US 6,353,064, hereinafter referred as Ostoja).

The instant claims are directed to a polymerization process for unsaturated monomers in the presence of a metallocene complex having at least one donor-acceptor between two of its ligands, wherein at least one of the ligand is fluorenyl ligand and at least one alkyl or aryl group on at least one acceptor atom.

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Ostoja teaches an olefin polymerization process in the presence of metallocene complex having one donor-acceptor between two of its ligands, see formulas (Ia) of col. 2, lines 35-40 and Examples 1-8. When Cpl or Cpll of formula (Ia) is fluorenyl (col. 3. lines 49-50) and the acceptor group is alkylboranyl or arylboranyl (col. 12, lines 44-52), Ostoja's metallocene complex read on those metallocene complexes of the instant claims.

Thus, it would have been obvious to a skilled artisan at the time the invention was made to employ Ostoja's teaching to conduct olefin polymerization in the similar conditions as shown the working examples by replacing the metallocene complex with the metallocene complex Ia) wherein CpI or CpII of formula (Ia) to be fluorenyl and acceptor group to be alkylboranyl or arylboranyl since such within the scope of Ostoja's teaching and expected to work and in the absence of showing criticality and unexpected result.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached from 9:00 am to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful and the matter is urgent, the examiner's supervisor, David Wu, can be reached at (571) 272-1114. The fax numbers for the organization where this application or proceeding is assigned is (703 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1700.

Caixia Lu, Ph. D. Primary Examiner Art Unit 1713